

ABSTRACT

A hinge connecting a first member and a second member in an openable and closable manner to each other, which is composed of a case body having a rotation arresting means on an outer periphery thereof, inserted into and arrested at one of cylindrical mounting portions of the first member and the second member; a shaft mounted by passing axially through a center portion of the case body with an end portion side thereof being arrested at the case body; a slide key mounted on the other end portion of the shaft in a manner constrained rotation and in an axially slidable manner, having an arresting portion at an end portion thereof; an outer cam having a rotation arresting means on an outer periphery thereof and inserted into and arrested at one of the other cylindrical mounting portions of the first member and the second member, accommodating the slide key inside thereof in axially slidable manner and provided in a manner constrained rotation by the shaft; an inner cam accommodated in an axially slidable manner in the outer cam which passes the tip portion of the slide key together with the shaft axially through the center portion of the outer cam, having an arresting projection which disengages from the arresting portion of the slide key in accordance with a rotation angle; a slider cam provided in confrontation with the inner cam and the outer cam and passing the shaft axially through the center portion thereof, being mounted in an axially slidable manner in the case body in a manner constrained rotation; a first compression spring elastically provided between the slider cam and the case body; a second compression spring elastically provided between the slide key and the outer cam, having less elastic force than that of the first compression spring; and a push-button mounted on the slide key, in which a convex portion of the cam portion of the slider cam normally engages with the arresting projection of the inner cam of which rotation is blocked by the slide key, whereas, a pressing operation of the push-button disengages the arresting portion of the slide key from the arresting projection of the inner cam so that the slider cam rotates together with the case body.